



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Flora Tak Tak Ng et al.

Serial No.: 10/582,333

Filed (I.A.): December 10, 2004

Title: COMPOSITE CATALYST FOR

THE SELECTIVE

OLIGOMERIZATION OF LOWER ALKENES AND THE PRODUCTION OF HIGH OCTANE PRODUCTS

Group Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

Attorney Docket No.: 28870/38753

I hereby certify that this paper is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450, on November 20, 2006.

Sandjo H. Patel (Reg. No. 43,848)

Attorney for Applicants

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 CFR §§ 1.56 and 1.97(b)(3), submitted herewith for consideration by the examiner are copies of the non-U.S. patent publications identified on the accompanying PTO/SB/08, which may be considered material to the examination of the above-identified patent application. It is respectfully requested that the information be expressly considered during the prosecution of the application, and that the identified documents be made of record therein and appear among those cited on the cover page of any patent issuing therefrom.

This information disclosure statement is being submitted before the mailing date of a first office action on the merits as far as known to the undersigned. Accordingly no certification or fee is due

Ng et al. U.S. Serial No. 10/582,333 **Information Disclosure Statement** Page 2 of 2

An early and favorable action on the merits is respectfully requested.

Respectfully submitted,

MARSHALL, GERSTEIN & BORUN LLP

November 20, 2006

Sandio H. Patel (Reg. No. 43,848) Attorneys for Applicants

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PTO/SB/08A (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2

Complete if Known		
Application Number	10/582,333	
Filing Date	December 10, 2004	
First Named Inventor	Flora Tak Tak Ng	
Art Unit		
Examiner Name		•
Attorney Docket Number	28870/38753	

		Danimant Number		DOCUMENTS	Deer Columns Lines When
Examiner Initials *	Cite No. 1	Document Number Number-Kind code ^{2 (# known)}	Publication Date MM-DD-YYY	Name of Patentee or Applicant of Cited Document	Page, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US-1.400.849	 	Backhaus	·
	A2	US-4,194,964	 		
	A3	US-4,215,011	09-29-1980	Smith, Jr.	
	A4	US-4,232,177	11-04-1980	Smith	
	A5	US-4,250,052	02-10-1981	Smith, Jr.	
<u>_</u>	A6	US-4,302,356	11-24-1981	Smith, Jr.	
	A7	US-4,439,350	03-27-1984	Jones, Jr.	·
	A8	US-4,443,559	04-17-1984	Smith. Jr.	:
	A9	US-4,476,341		Mathys, et al	
	A10	US-4,935,577		Huss & Kennedy	
•	A11	US-5,003,124	05-26-1991	Smith Jr., et al.	
	A12	US-5,057,468	10-15-1991	Adams J.	
	A13	US-5,118,900	06-02-1992	Drake	
	A14	US-5,189,001	02-23-1993	Johnson	
	A15	US-5,235,102	08-10-1993	Palmer, et al.	Col. 2, In 9-67; col 3 In 35-col 4, In 15; col 5, In 2-11
-	A16	US-5,244,929	09-14-1993	Gottlieb, et al.	
	A17	US-5,254,783	10-19-1993	Saleh et al	
	A18	US-5.262,012	11-16-1993	Smith, Jr.	
	A19	US-5,266,546		Hearn	
	A20	US-5,348,710	09-20-1994	Johnson et al	
	A21	US-5,417,938		Shelden	· · · · · · · · · · · · · · · · · · ·
	A22	US-5,431,890		Crossland, et al.	• 4
	A23	US-5,457,268	10-10-1995	Greene, et al.	Col. 3, line 35 – Col. 4, Line 19
	A24	US-5,510,555	04-23-1996	Brunelli et al	
	A25	US-5,622,997	04-22-1997	Tennison et al	
	A26	US-5,730,843	03-24-1998	Groten et al	
	A27	US-5,877,363	03-02-1999	Gildert et al	
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	A30	US-6,117,812	09-12-2000	Gao et al	
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	A32	US-6,274,783 B1	09-14-2001	Gary R. Gildert, Mitchell E.	
	A33	US-6,291,719 B1	09-18-2001	Gao, et al	
	A34	US-2001/0006154	06-05-2001	Krug, et al	

Examiner	Date
Signature	Considered
U.g. a.a.	

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Translation is attached.
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Sheet 2

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First Named Inventor	Flora Tak Tak Ng		
Art Unit			
Examiner Name			
Attorney Docket Number	28870/38753		

Examiner Initials *	Cite No. 1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
111111111111111111111111111111111111111	NO.	Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	Τ ⁶
	B1	WO 02/092216	11-21-2002	Harkins, et al.		
	B2	GB 2 193 907 A	02-24-1988			
<u></u>		NON PATENT	LITERATURE	DOCUMENTS		
Examiner Initials *	Cite No.	the item (book, magazine, journal	l, serial, sympo	• • • • • • • • • • • • • • • • • • • •	pages), volume-issue	T ²

FOREIGN PATENT DOCUMENTS

NON PATENT LITERATURE DOCUMENTS				
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	C1	BELTRAME et al, (1994) Appl. Catal., A: general, 100, 39-48		
	C2	HEVELING et al, (2003) "Activity and selectivity of nickel-exchanged silica-alumina catalysts for the oligomerization of propene and 1-butene into distillate-range products"; Applied Catalysis A: General 248 p. 239-248		
	C3	KEIM et al, (1979) Mol. Catal., 6, 79		
	C4	KISTER & LARSON (1997)"Packed Distillation Tower Design", McGraw-Hill, Section 1.6, p.314-333		
	C5	MARCEL DEKKER INC. (ed. A Cybulski & J. Moulijn) (1998) "Structured Catalysts and Reactors"		
	C6	RALPH F. STRIGLE, JR. (1987) "Random Packings and Packed Towers Design and Applications", Gulf Publishing Company, Houston Texas. P. 1-10		

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Signature	Considered	

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